

Title (en)
POLYORGANOSILOXANE AND CURABLE COMPOSITION CONTAINING SAME

Title (de)
POLYORGANOSILOXAN UND HÄRTBARE ZUSAMMENSETZUNG DARAUS

Title (fr)
POLYORGANOSILOXANE ET COMPOSITION DURCISSABLE RENFERMANT CELUI-CI

Publication
EP 1775317 B1 20090415 (EN)

Application
EP 05768327 A 20050802

Priority
• JP 2005014124 W 20050802
• JP 2004228690 A 20040804

Abstract (en)
[origin: EP1775317A1] The object of the present invention is to provide a polyorganosiloxane that has a specific structure and is superior to curability and a curable composition which is high in workability during curing, which leads to a cured product excellent in ultraviolet-ray transparency and heat resistance, and further wherein toughness thereof and occurrence of a crack by cyclic heat-cool are improved. The present polyorganosiloxane is one obtained by conducting hydrolysis and condensation of a silicon-containing organic compound represented by the general formula (1) below in the presence of an organic polyol compound having two or more hydroxyl groups and has an oxetanyl group.

IPC 8 full level
C08G 77/14 (2006.01); **C08G 65/18** (2006.01); **C08L 83/06** (2006.01)

CPC (source: EP KR US)
C08G 65/18 (2013.01 - EP US); **C08G 65/336** (2013.01 - EP US); **C08G 77/04** (2013.01 - KR); **C08G 77/14** (2013.01 - KR);
C08G 77/32 (2013.01 - KR); **C08G 77/46** (2013.01 - EP US); **C08G 77/50** (2013.01 - EP US); **C08L 83/06** (2013.01 - KR);
C08L 83/14 (2013.01 - EP US)

Designated contracting state (EPC)
DE FR

DOCDB simple family (publication)
EP 1775317 A1 20070418; EP 1775317 A4 20080827; EP 1775317 B1 20090415; CN 100554315 C 20091028; CN 1965016 A 20070516;
DE 602005013968 D1 20090528; JP 5223194 B2 20130626; JP WO2006013863 A1 20080501; KR 101194153 B1 20121127;
KR 20070040343 A 20070416; TW 200619273 A 20060616; TW I382042 B 20130111; US 2008033137 A1 20080207; US 7576142 B2 20090818;
WO 2006013863 A1 20060209

DOCDB simple family (application)
EP 05768327 A 20050802; CN 200580018575 A 20050802; DE 602005013968 T 20050802; JP 2005014124 W 20050802;
JP 2006531496 A 20050802; KR 20067027824 A 20050802; TW 94126604 A 20050804; US 57250205 A 20050802